CLAIMS:

1. A base station apparatus that transmits speech signals on a bearer channel and packets on a packet channel, comprising:

5   a channel type detector that detects whether a type of channel is the bearer channel or the packet channel for each session; and

a delay adder that delays a packet transmitted on the packet channel when the detected type of channel is

10   the packet channel.

2. The base station apparatus according to claim 1, further comprising a packet type detector that detects a type of packet, wherein the delay adder delays a predetermined

15   type of packet.

3. The base station apparatus according to claim 2, further comprising a protocol detector that detects a protocol or a flag in an IP header, wherein the packet type detector

20   detects the type of packet based on the protocol or the flag.

4. The base station apparatus according to claim 2, further comprising a generation period detector that detects a

25   generation period of packet, wherein the packet type detector detects the type of packet based on a size relationship between an average value of the generation

period of packet and a predetermined threshold.

5. The base station apparatus according to claim 1, wherein the delay adder delays the packet transmitted on the packet channel only when execution of delay processing is instructed from an upper station that monitors an amount of transmitted data.

6. A transmission method of a base station apparatus that transmits speech signals on a bearer channel and packets on a packet channel, comprising the steps of:

detecting whether a type of channel is the bearer channel or the packet channel for each session; and

delaying a packet to be transmitted on the packet channel when the detected type of channel is the packet channel.